



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Sunday, May 24, 2015

Issued: 0800 CT

Day 1 Hazards: Moderate risk of severe thunderstorms over portions of OK/TX. Slight risk for LA/AR. Additional flash flooding expected

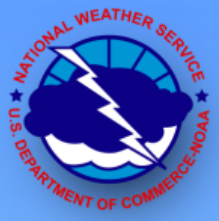
Continuing Hazards: Major river flood ongoing on the Nueces in South TX, Red River TX/OK and Boggy Creek in OK. Elevated river/lake levels with flood gages at moderate persists across E TX.

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX



Prepared by: Mark Wiley / pgw
817-978-1100 x 147

Key Points



Monday

- Scattered strong to severe thunderstorms this morning over west Texas will increase in coverage over much of Oklahoma and Texas through the day and likely develop into a well-defined squall line
 - Moderate risk of severe thunderstorms over SE OK, much of north into central TX for large hail, damaging winds and possible tornadoes
 - Enhanced to slight risk over the remainder of much of TX, much of OK into AR and northern LA
- Heavy rainfall with the thunderstorms will continue and enhance the flash flood/river flood threat over OK/TX/AR and LA

Tuesday - Wednesday

- Slight risk of severe thunderstorms over western OK into NW TX as well as eastern AR/LA on Tuesday and then over the TX Panhandle and NW OK on Wednesday
 - Strong to severe thunderstorms with hail/damaging wind and isolated tornadoes from central and E TX Tuesday.
- Heavy rainfall in thunderstorms may lead to additional flash flooding

Thursday - Friday

- Showers/thunderstorms returning to SW and central TX/OK with additional rainfall.

*FEMA Region 6 Threat Matrix

May 25, 2015 - May 29, 2015











DAY/ THREAT	MON	TUE	WED	THU	FRI
Severe Storms	N/E/SC TX	SW OK, NW TX E AR/NE LA	TX/OK Panhandles		
	W TX, S AR, W LA, S OK				
Heavy Rain /Flooding	TX ,OK, AR, LA	OK	OK	OK	SW TX/OK
Fire					
River Flooding	TX, S OK	TX, S OK	TX, S OK	TX, S OK	TX, S OK
		AR/LA	AR/LA	AR/LA	AR/LA

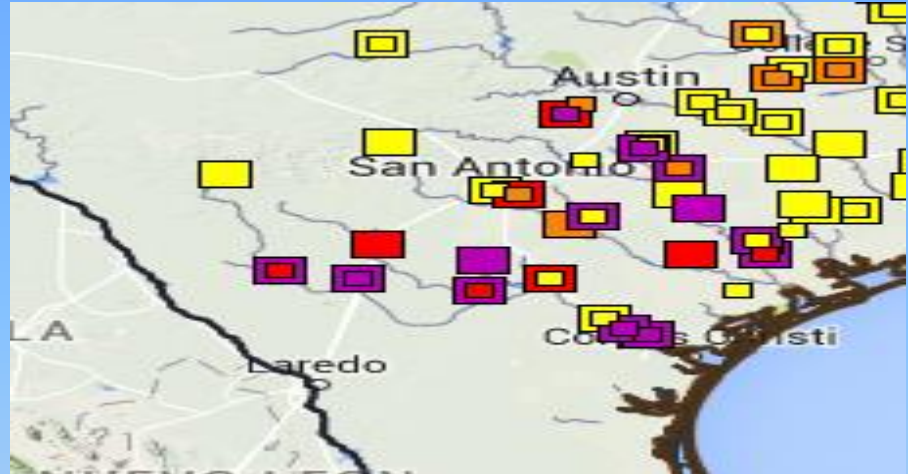
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

We are experimenting with a new color scale to the left as of April 13th. Please provide feedback to sr-srh.roc@noaa.gov. See next slide for more details.













Guadalupe River

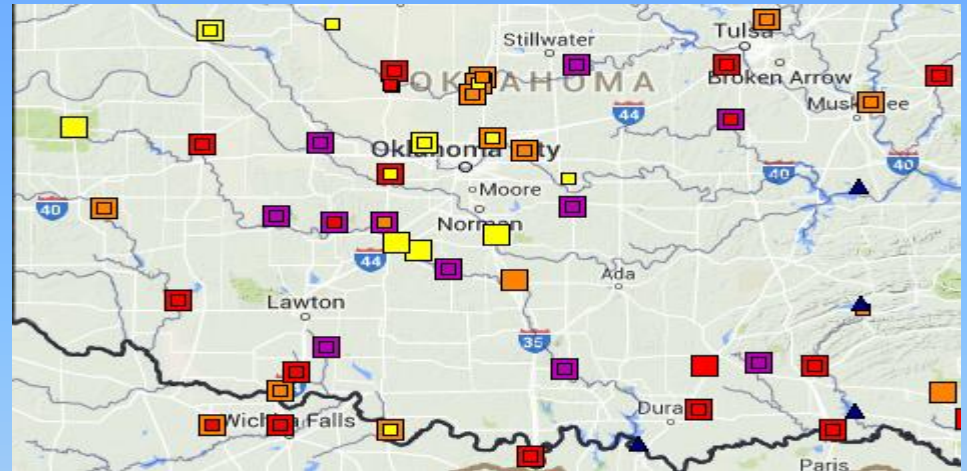
River Status		
	Observed	Forecast
No Flooding		
Near Flood Stage		
Minor Flooding		
Moderate Flooding		
Major Flooding		



- The flood waters reached the San Marcos River at Luling last night, which crested at 36.58 feet.
- At Gonzales, cresting late tonight into early tomorrow morning at 43.5 feet closing Highways 183, 97 and Farm to Market 108.
- Runoff down the Tinsley Creek in Gonzales added to the Guadalupe River backwater can flood lowest homes near the creek. Secondary roads and streets near the river can be flooded and dangerous to motorists.
- By Thursday morning, major lowland flooding reaches tens of homes downstream near Thomaston in the River Oaks, River Haven and Cypress Valley subdivisions. Approaches to all bridges into Cuero close except Highway 87.

Washita River

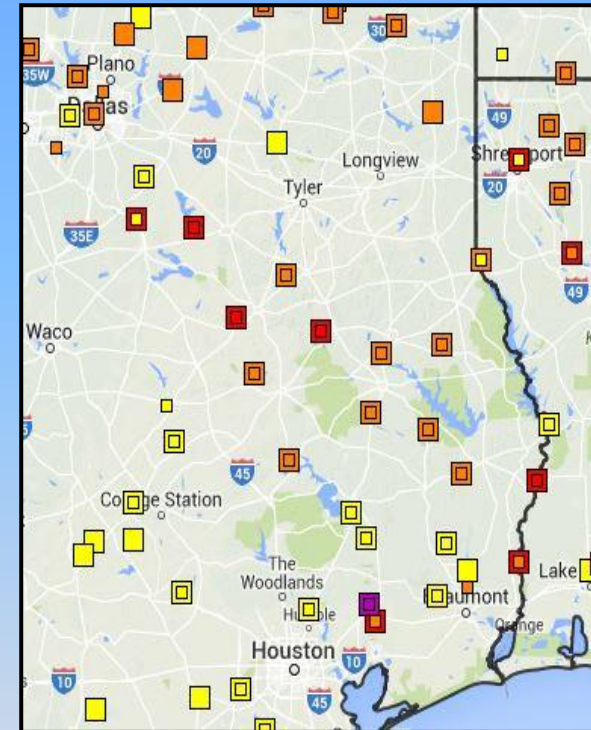
River Status		
	Observed	Forecast
No Flooding		
Near Flood Stage		
Minor Flooding		
Moderate Flooding		
Major Flooding		



- o Lindsay, OK – Will experience closing of major road (SH19), only major roads in and out of town. Southern area of Lindsay will likely be inundated. Total population of Lindsay is 2800.
- o Pauls Valley, OK – Town may be up to 90 percent inundated, including downtown and residential areas. Population of Pauls Valley is 6,027.
Cresting Tomorrow Morning
- o Dickson, OK – US177 Closed, town of Gene Autry (Population 500) and Ardmore Municipal Airport will receive some level of inundation. Significant downrange affects for Texoma.

Trinity River

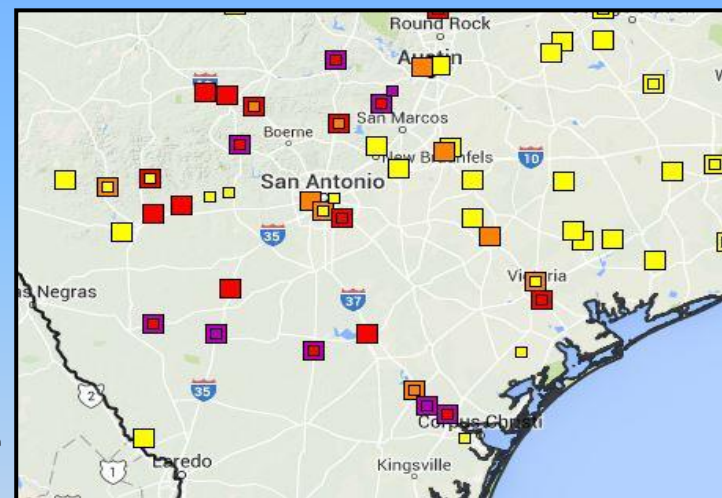
- **Major Flood Stage at Liberty**
 - Due to releases from Lake Livingston
 - Expected to hold steady at 29ft – Major Flood
 - Major lowland flooding begins as homes in several subdivisions above Liberty begin flooding. Extensive flooding over much of Liberty County can be expected with each incremental rise in the river.
- **Additional rainfall amounts over the upper Trinity will lead to moderate and major flooding this weekend; heavy rainfall over this area on Monday/Tuesday will prolong the flooding at these higher levels.**
- **NWS forecasts incorporate US Army Corps of Engineers releases from reservoirs.**



River Status		
	Observed	Forecast
No Flooding	Green square	Green square
Near Flood Stage	Yellow square	Yellow square
Minor Flooding	Orange square	Orange square
Moderate Flooding	Red square	Red square
Major Flooding	Purple square	Purple square

Nueces River

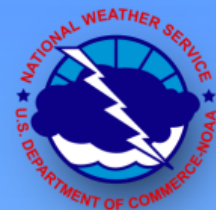
- Major Flooding at several points along the Nueces
 - At Three Rivers, creeks backing up water in the River Creek Acres Subdivision SE of George West
 - Below Bluntzer, west bank residents may be cut off for weeks
 - At Calallen, residents in lowest areas may be cut off for days/weeks, some residents may need to be evacuated



River Status

	Observed	Forecast
No Flooding	Green square	Green square
Near Flood Stage	Yellow square	Yellow square
Minor Flooding	Orange square	Orange square
Moderate Flooding	Red square	Red square
Major Flooding	Purple square	Purple square

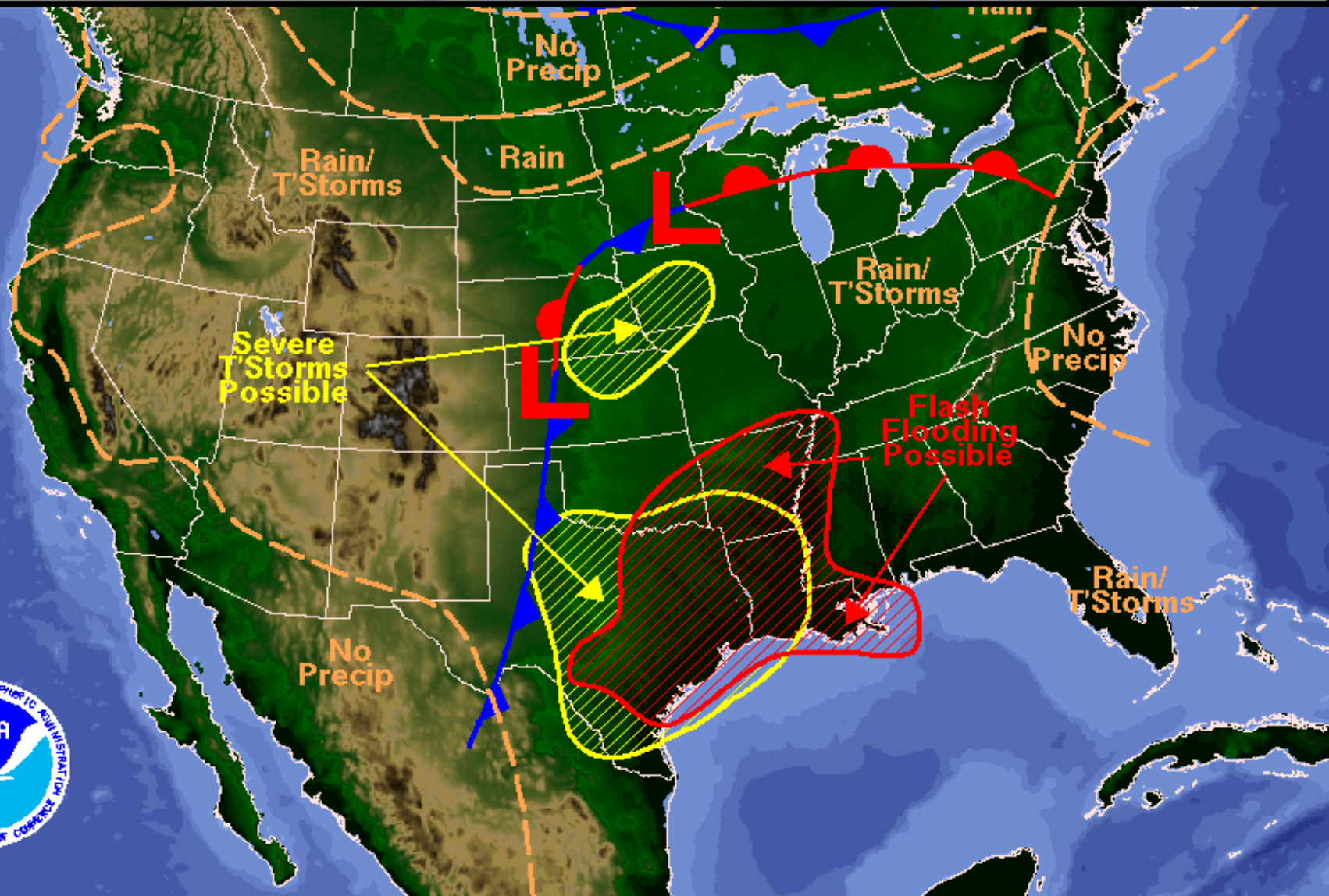
We are experimenting with a new color scale in these briefings, starting on April 13th. The criteria is below, please provide your feedback to sr-srh.roc@noaa.gov and we plan to re-evaluate in the coming months.



Weather "Threat" Matrix

Color	Definition	Criteria	Example(s)
Green	Very Common – Happens Often Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Today's Weather

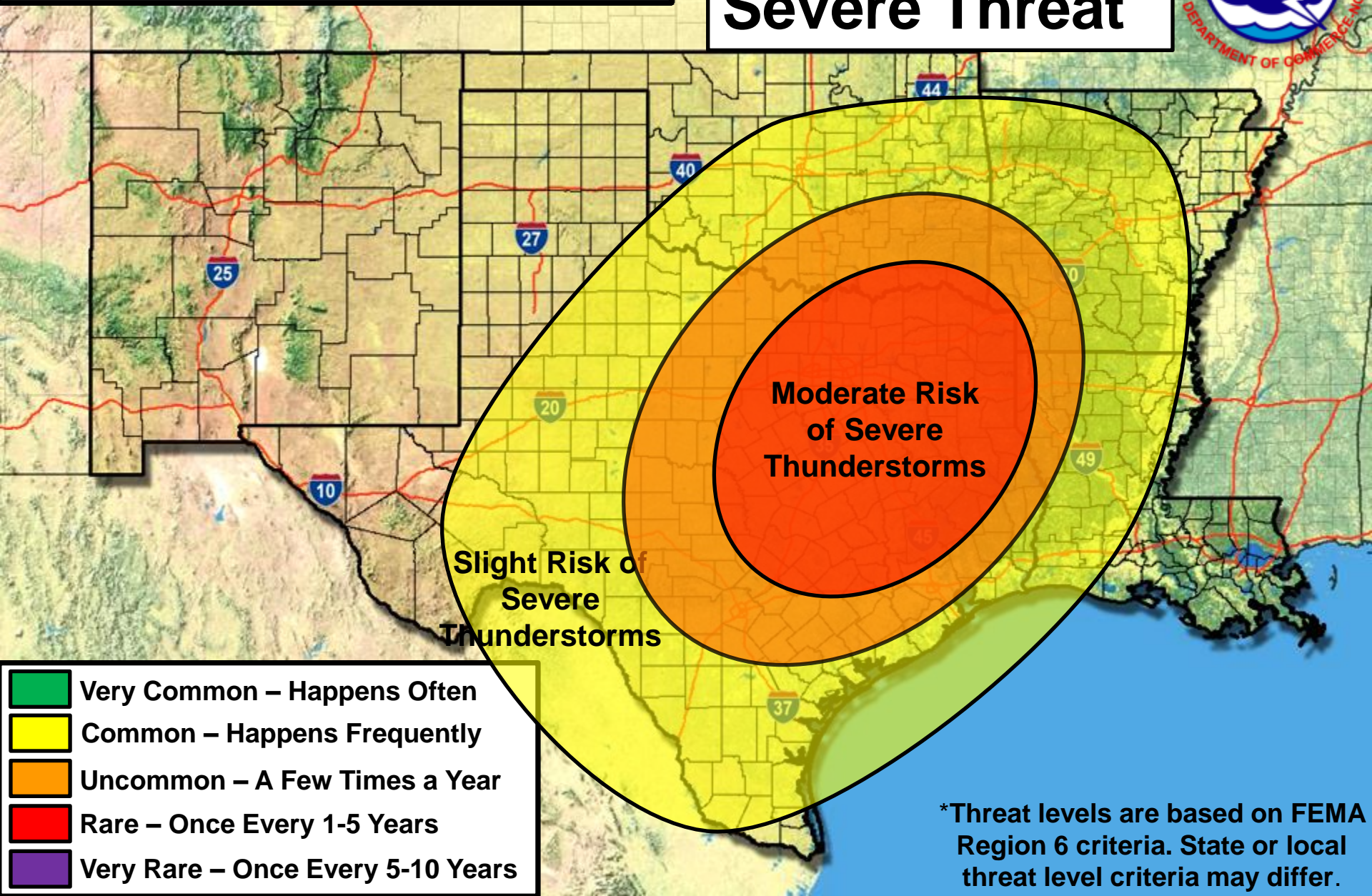
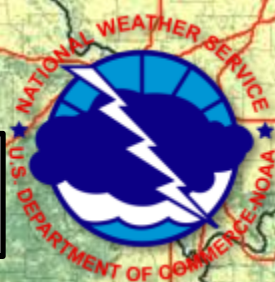


Weather Forecast for Mon, May 25, 2015, issued 4:16 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

Day 1 Weather Hazards

Valid: 0800 Mon - 0800 Tue

Severe Threat

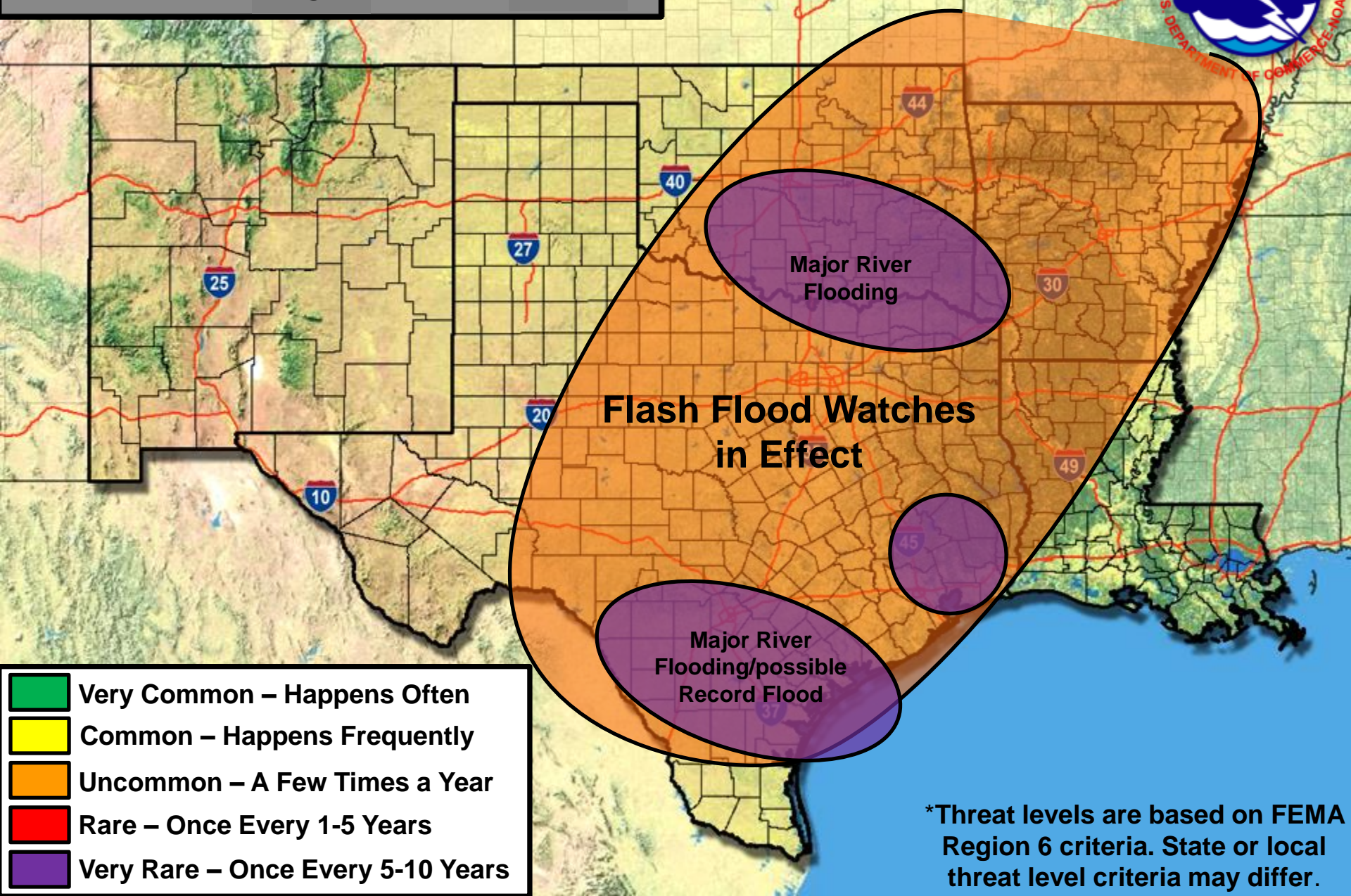
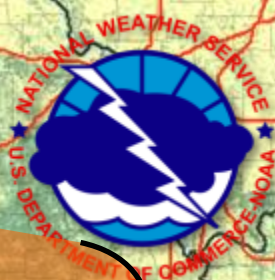


*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

Day 1 Weather Hazards

Valid: 0800 Mon - 0800 Tue

Flood Threat



Major River
Flooding

Flash Flood Watches
in Effect

Major River
Flooding/possible
Record Flood

Very Common – Happens Often

Common – Happens Frequently

Uncommon – A Few Times a Year

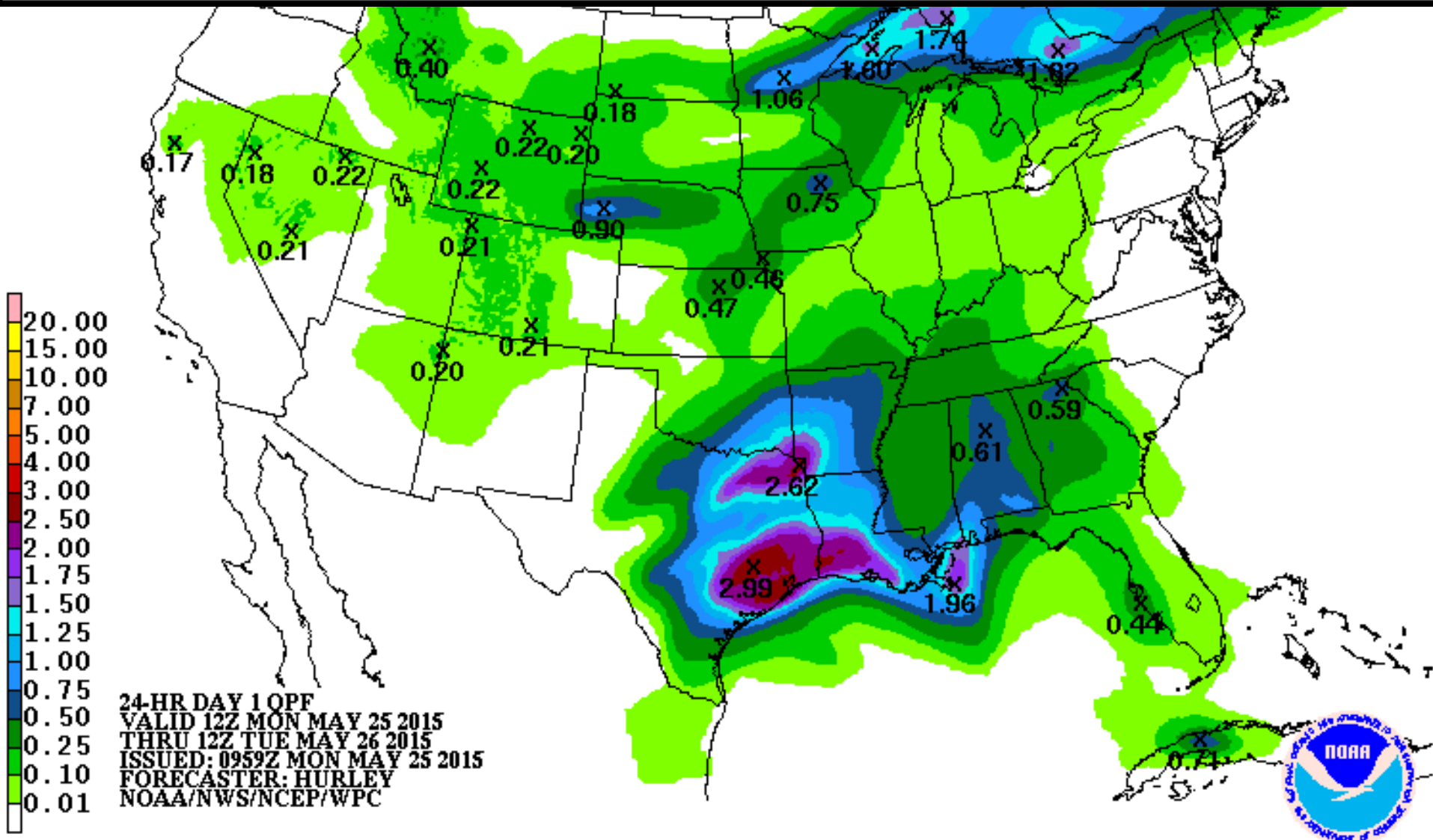
Rare – Once Every 1-5 Years

Very Rare – Once Every 5-10 Years

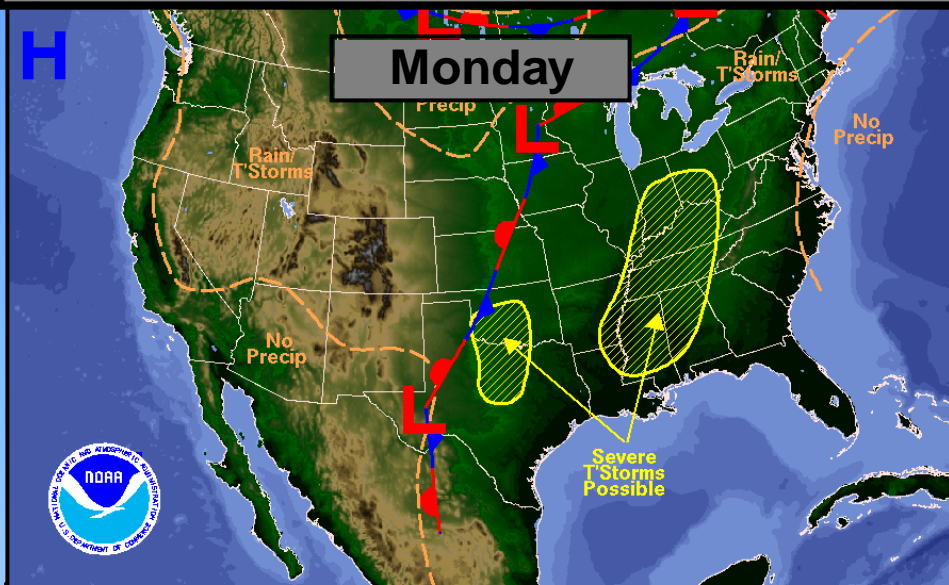
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Today's Precipitation

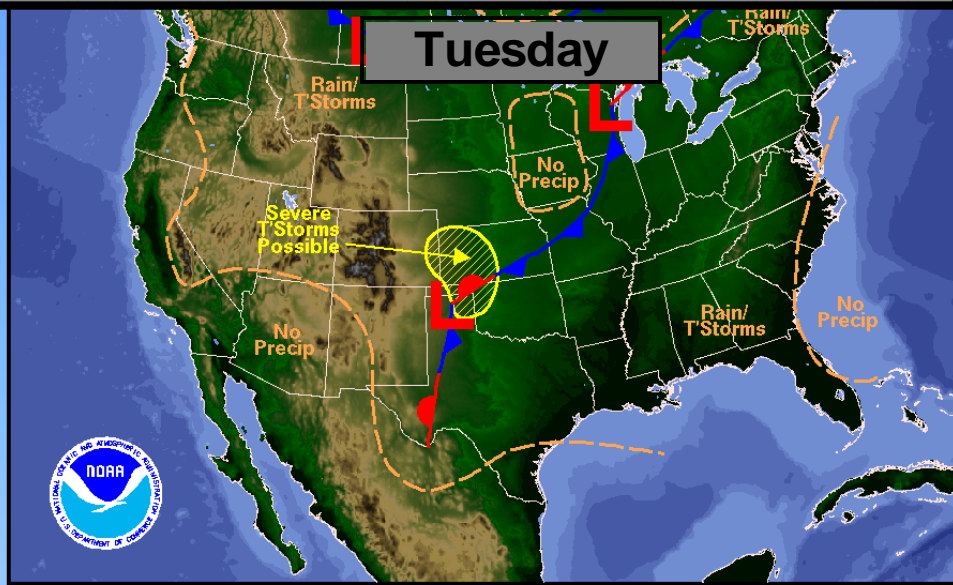
Mon AM - Tue AM



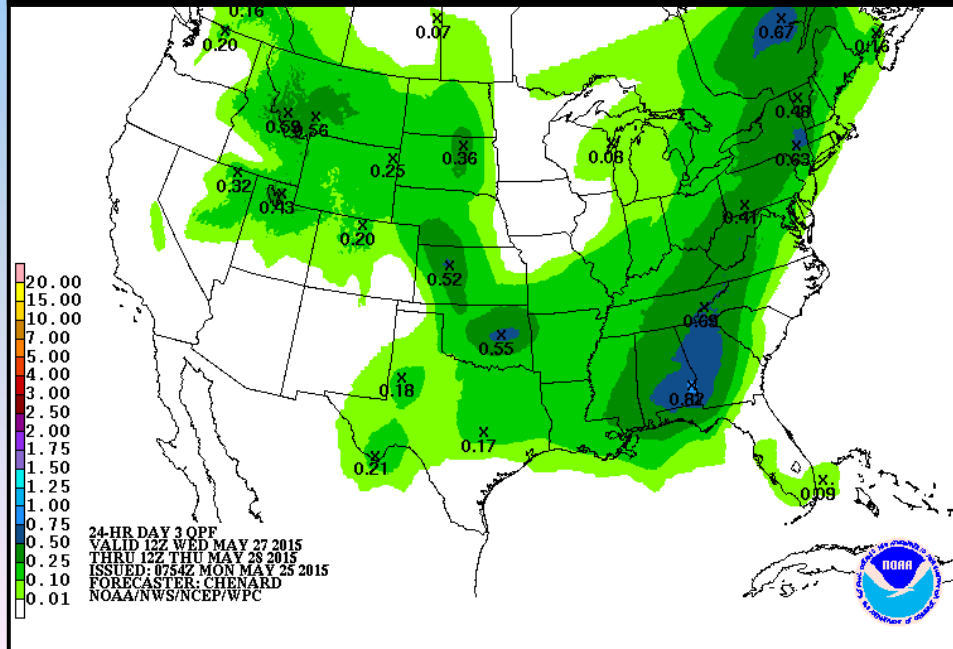
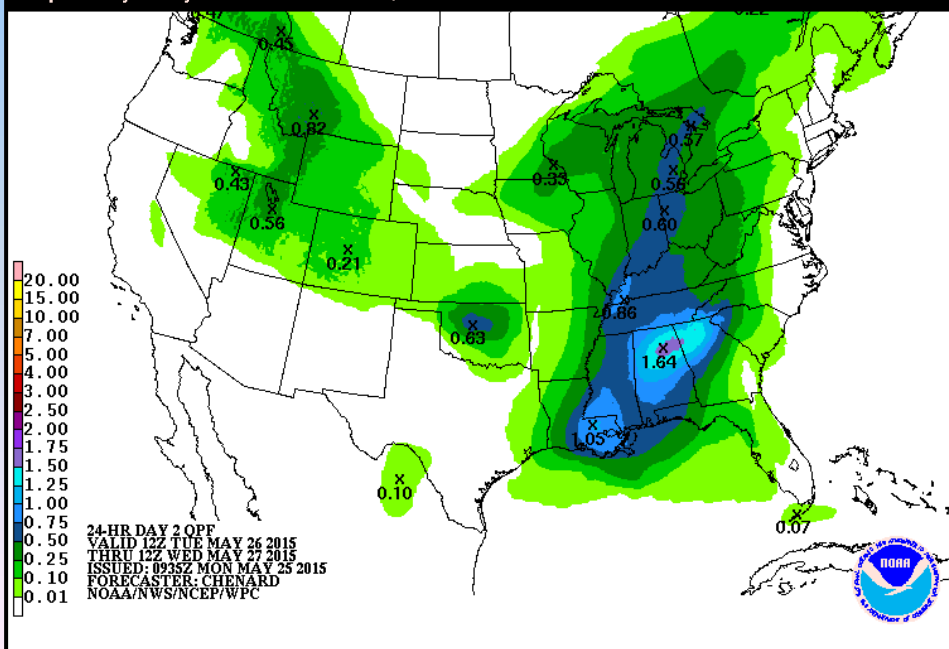
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Tue, May 26, 2015, issued 4:36 AM EDT Mon, May 25, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by McCreynolds based on WPC, SPC and NHC forecasts

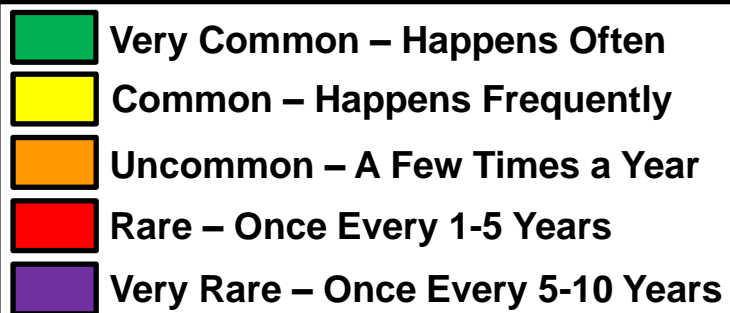
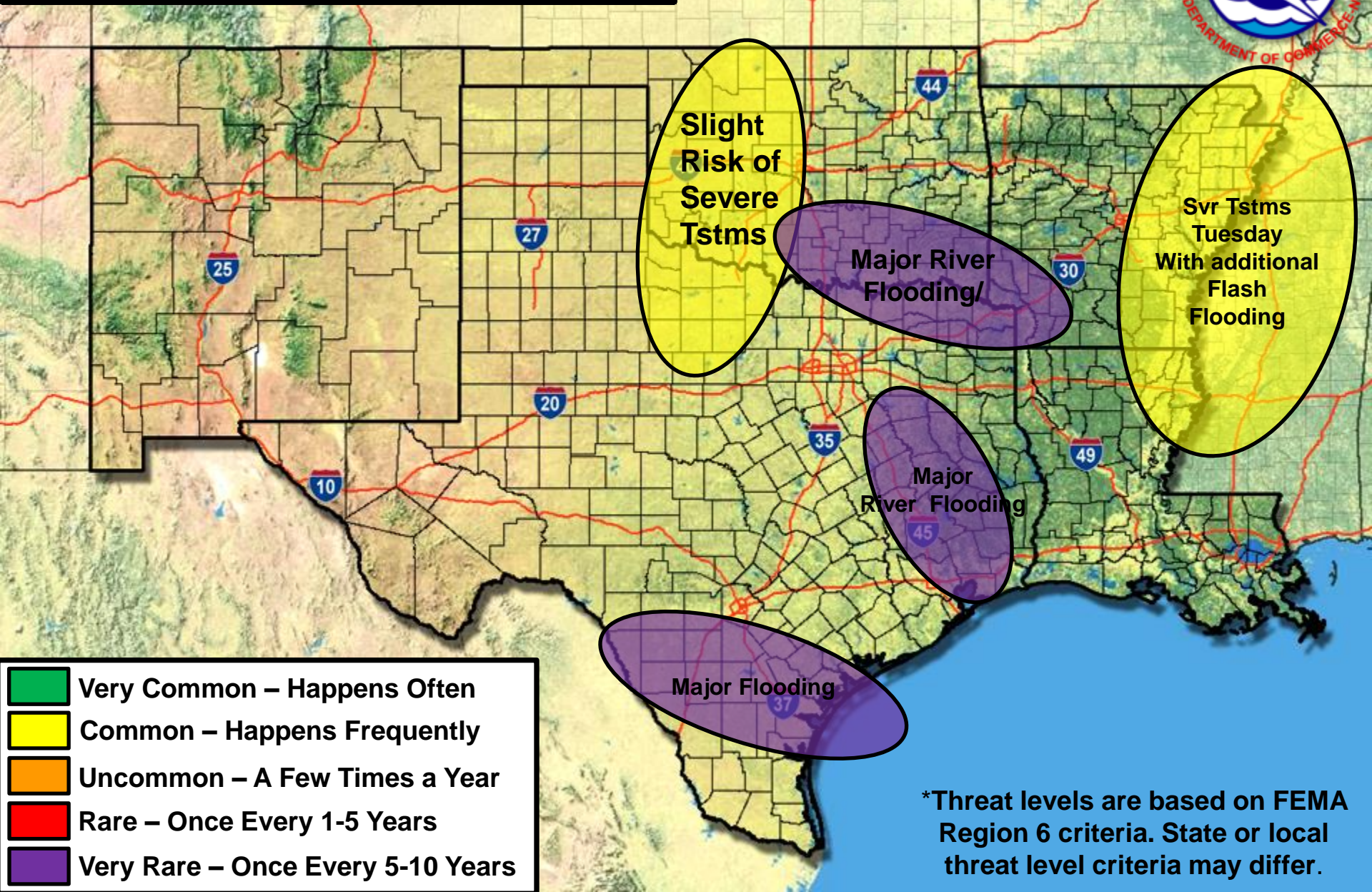


Weather Forecast for Wed, May 27, 2015, issued 4:46 AM EDT Mon, May 25, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by McCreynolds based on WPC, SPC and NHC forecasts



Day 2-3 Weather Hazards

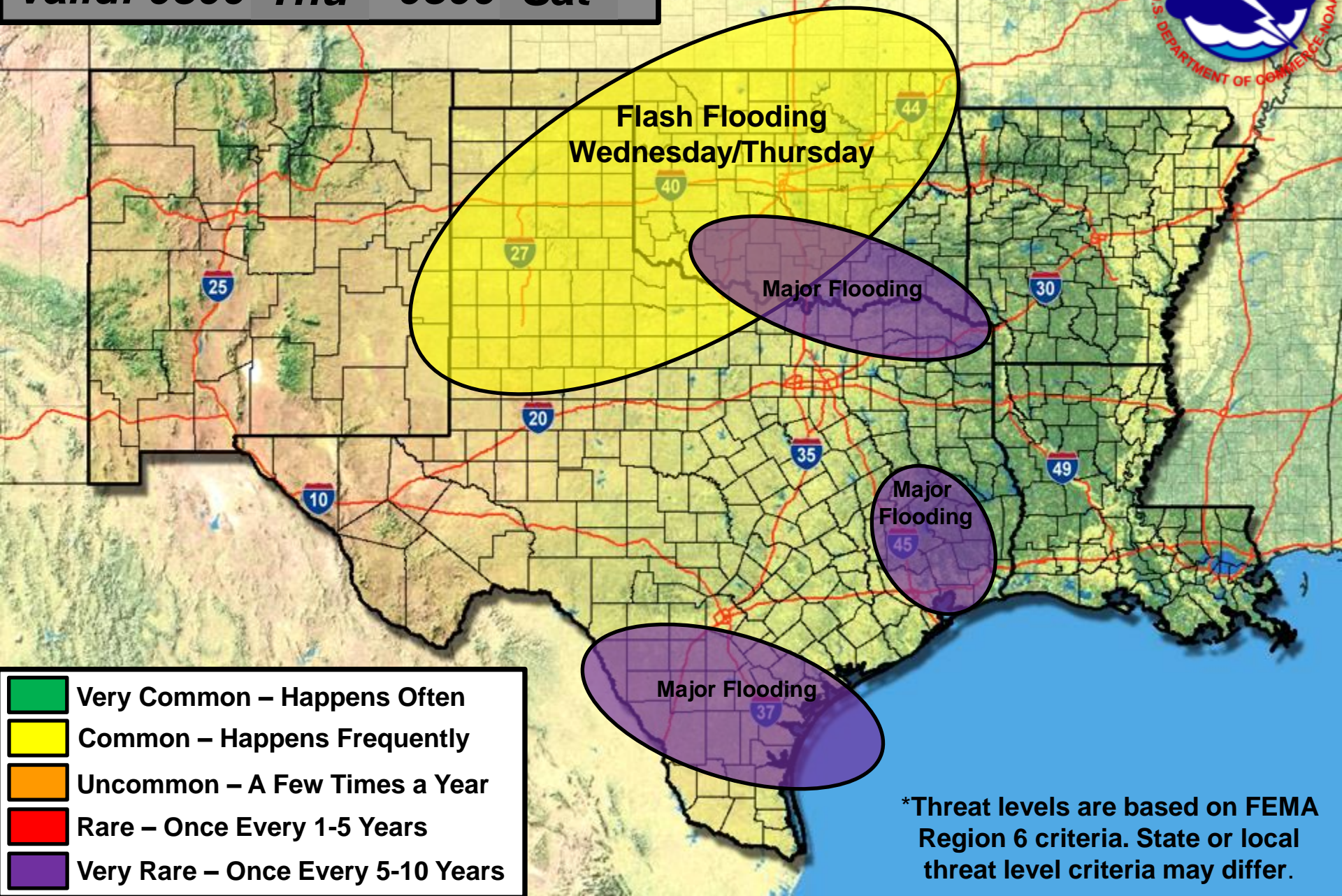
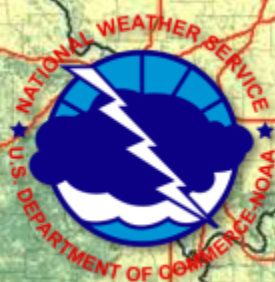
Valid: 0800 Tue - 0800 Thu



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Day 4-5 Weather Hazards

Valid: 0800 Thu - 0800 Sat








**Flash Flooding
Wednesday/Thursday**

Major Flooding

Major Flooding

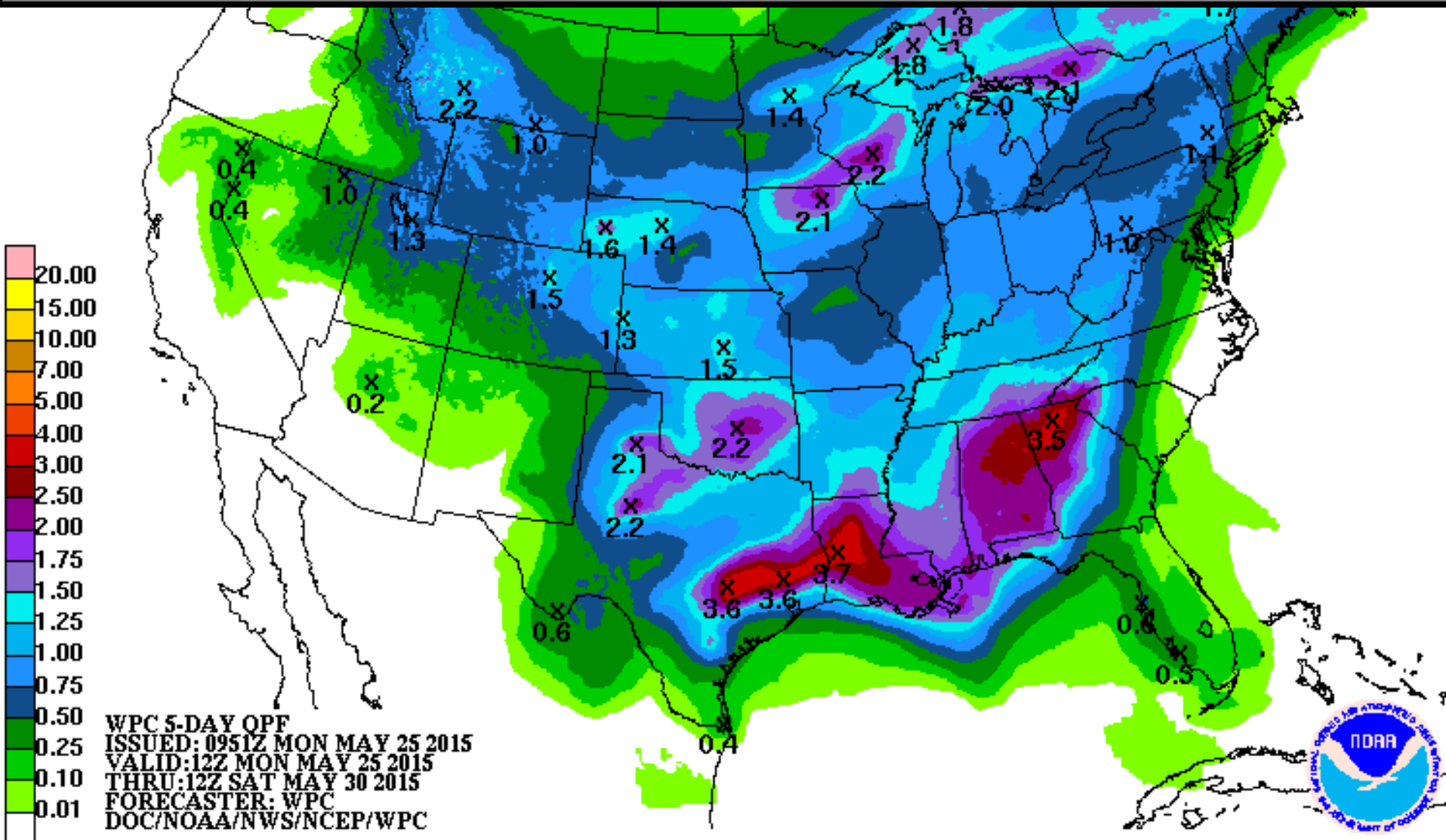
Major Flooding

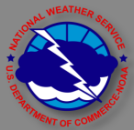
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5-Day Precipitation

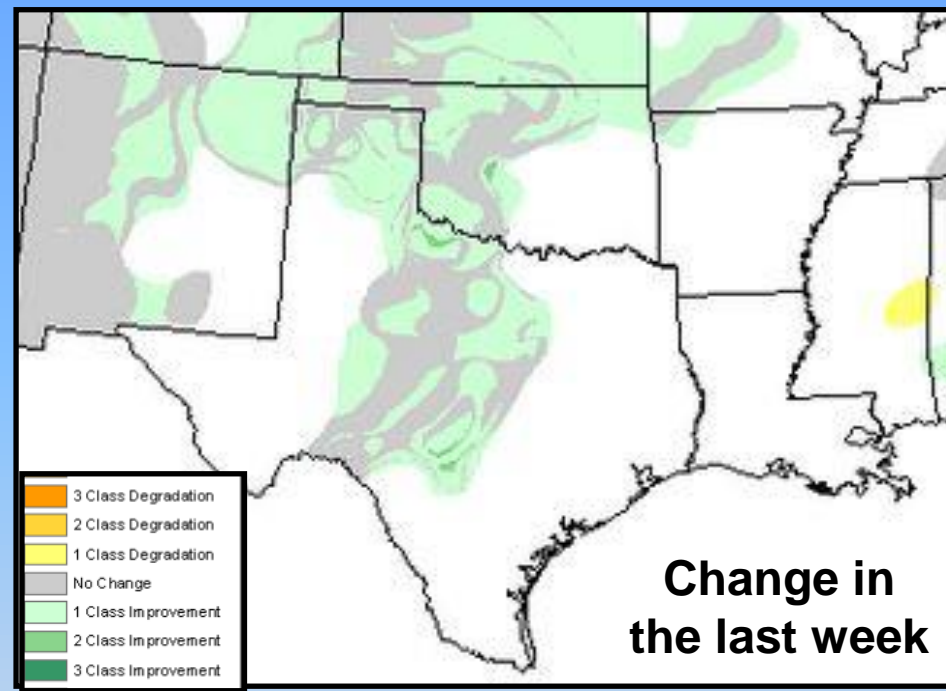
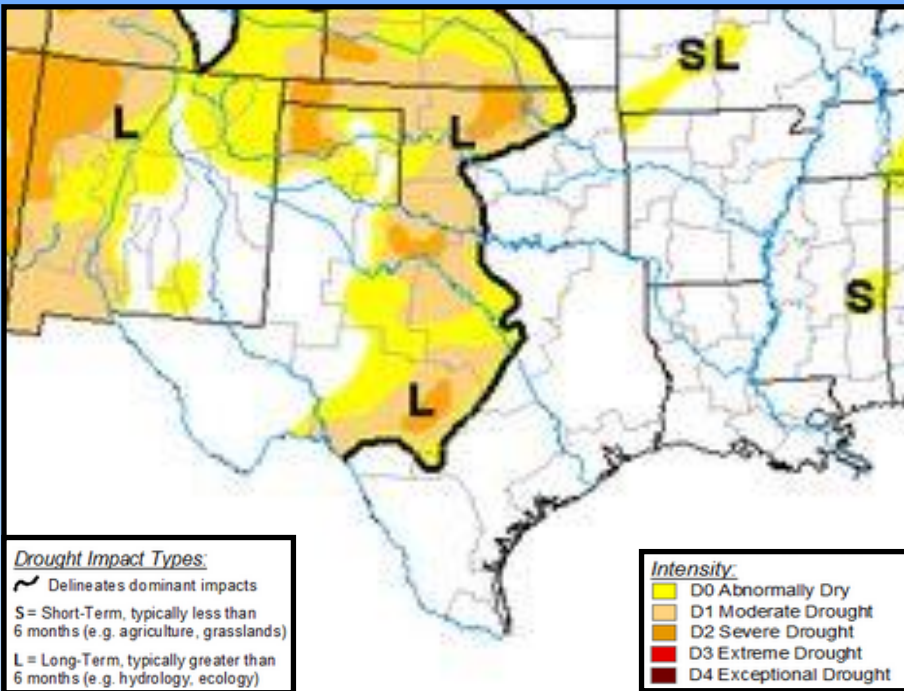
Mon AM - Sat AM





Drought Monitor Released May 21st, 2015

Data valid as of Tuesday, May 19th, 2015 at 7AM EST



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	3.72%	22.81%	61.24%
Texas	0.00%	1.93%	13.92%	40.35%
New Mexico	0.00%	0.00%	3.70%	37.23%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

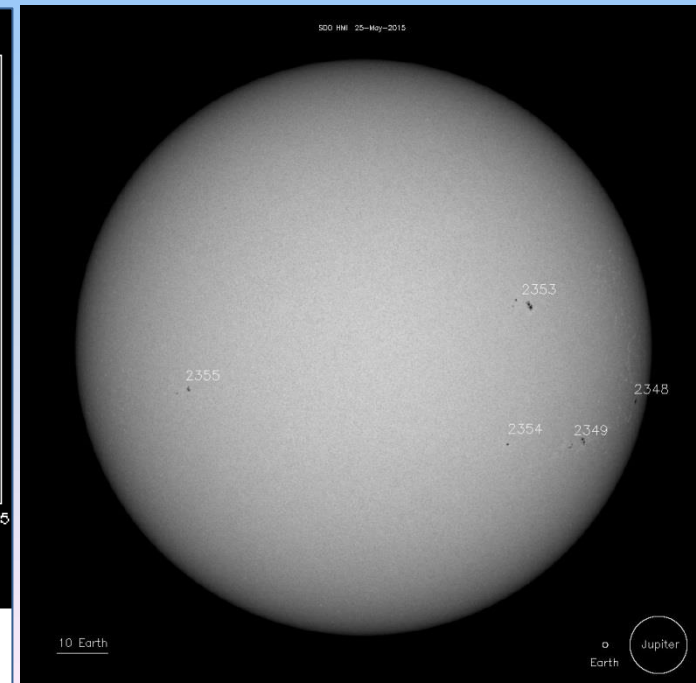
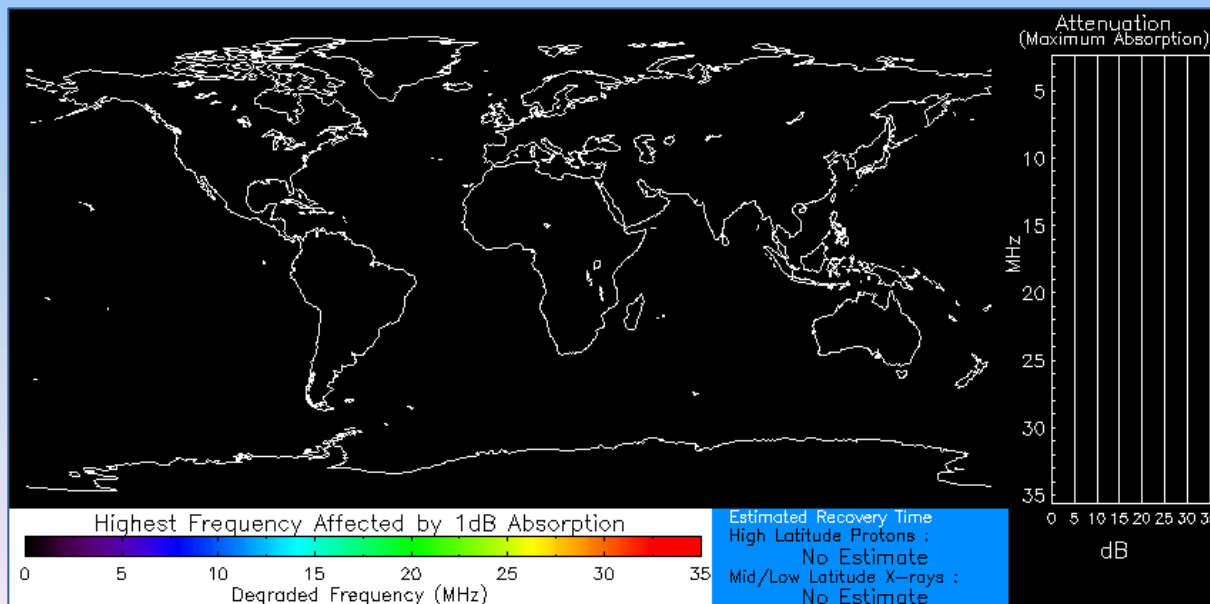
Space Weather 3-Day Forecast



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)

	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	5%	5%	5%
Radio Blackout (R3-R5)	1%	1%	1%



Normal X-ray Background
Product Valid At : 2015-05-25 10:23 UTC

Normal Proton Background
NOAA/SWPC Boulder, CO USA

Information provided by:



National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (817) 978-1100 x147

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Web: <http://www.srh.noaa.gov>

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